

Mikos-106 **AMENDMENT AFTER ALLOWANCE** 07650006aa
Amendment dated 12/27/2005 Reply to Notice of Allowance mailed 09/29/2005

Amendments to the Specification:

Please replace the paragraph beginning at page 22, line 14, with the following rewritten paragraph:

15. Examiner workstation 100 which interacts with the ballistics examiner and displays the candidate matching item images, feature maps, correlation values, and characteristics of the ballistic items and their comparisons. The workstation 100 allows him to input queries and receive responses in display or hard copy format. It generates, maintains, and accesses databases of ballistic item images and features and information annotated by the user. It also includes a highlighter function which allows examiner to designate features of interest in an unknown ballistic item, for matching against a database. The highlighter can utilize a light pen, touch screen display, graphics tablet, or other interactive device.

Please replace the paragraphs beginning at page 24, line 26, with the following rewritten paragraphs:

Each image is annotated with date and time, workstation #, item temperature, focus setting, and item reference number. The focus and image capture processes can be automated such that a succession of minute variations in focus is performed and an image taken at each step, or the focus and image capture can be manually controlled using an examiners workstation 100 consisting of a display screen 22 and input controls 24 including any combination of keyboard, mouse, voice, or similar device. The workstation 100 also contains highlighting device 90 for manually specifying areas of images or textual information of particular interest to the examiner. The highlighter can be any combination of touch screen, lightpen, graphics tablet, or

Mikos-106 **AMENDMENT AFTER ALLOWANCE** 07650006aa
Amendment dated 12/27/2005 Reply to Notice of Allowance mailed 09/29/2005

similar device. The display has the ability to mosaic several infrared 20 and visible 120 images on a single screen.

Text information is entered which identifies the ballistics item and related information such as case #, weapon type, ammunition type, location where found, etc. That information can be read from an evidence tag using a bar code reader 28 or input through the controls of the examiners workstation 100 such as by keyboard. The text information can be displayed on the screen 22 along with the corresponding annotated image.

Please replace the paragraph beginning at page 22, line 14, with the following rewritten paragraph:

When infrared imaging alone is used for ballistics identification, without use of corresponding visible images, then components ~~100~~ 116, 118, 120, 126, 138, 142, 134, 150 and references to visible images, sequences, features, and montages can be eliminated from the apparatus description.

Please replace the paragraphs beginning at page 26, line 29, with the following rewritten paragraphs:

Each image is annotated with date and time, workstation #, item temperature, focus setting, and item reference number. The focus and image capture processes can be automated such that a succession of minute variations in focus is performed and an image taken at each step, or the focus and image capture can be manually controlled using an examiners workstation 100 consisting of a display screen 22 and input controls 24 including any combination of

Mikos-106 **AMENDMENT AFTER ALLOWANCE** 07650006aa
Amendment dated 12/27/2005 Reply to Notice of Allowance mailed 09/29/2005

keyboard, mouse, voice, or similar device. The workstation 100 also contains highlighting device 90 for manually specifying areas of images or textual information of particular interest to the examiner. The highlighter can be any combination of touch screen, lightpen, graphics tablet, or similar device. The display 22 has the ability to mosaic several images on a single screen.

Text information is entered which identifies the ballistics item and related information such as case #, weapon type, ammunition type, location where found, etc. That information can be read from an evidence tag using a bar code reader 28 or input through the controls of the examiners workstation 100 such as by keyboard. The text information can be displayed on the screen 22 along with the corresponding annotated image.